

Title: FREEZE CONCENTRATION PROCESS Inventor: Claude Jarakae Jensen

Docket No.: 10209.388

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Melting point 1 atm
Boiling point 1 atm
Critical temperature
Critical pressure
Triple point
Heat of fusion at 0°C
Heat of vaporization at 100°C
Heat of sublimation at 0°C

0.000°C 100.000°C 374.15°C 218.6 psm 0.0099°C and 4.579 mmHg 79.71 cal/g; 1.436 kcal/mol 538.7 cal/g; 9.705 kcal/mol

12.16 kcal/mol

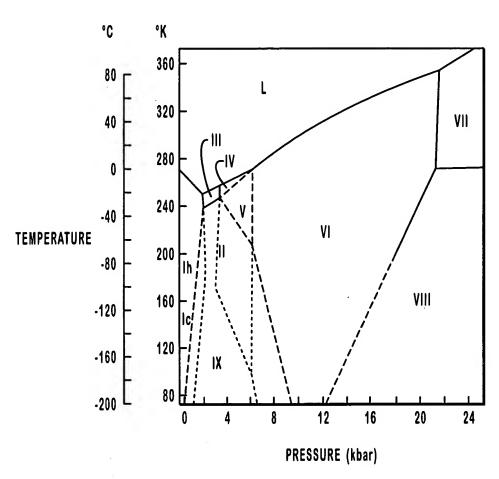


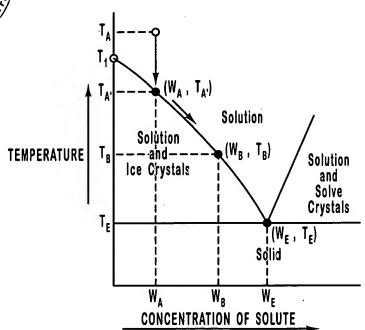
FIG. 1



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W_E Eutectic concentration

T_E Eutectic temperature

T_A Initial temperature of solution

WA Initial concentration of solution

T₁ Freezing point of pure solvent

TA' Freezing point of solvent

 W_B Final concentration of solution

T_B Final temperature of solution

FIG. 2

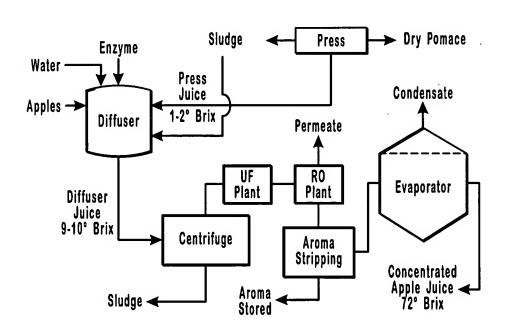


FIG. 3



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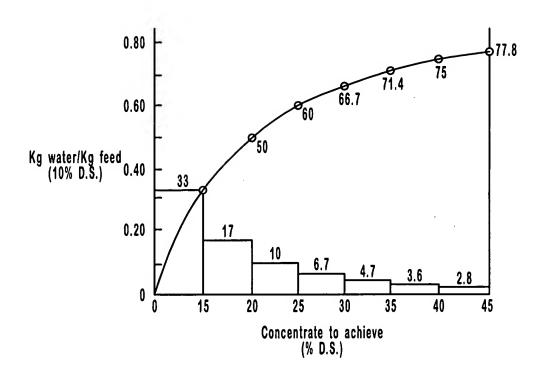


FIG. 4